

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

Date: 19.03.01	Job No.: RB18-AGUSTA	ADR Yes/No: N	ADR Date: <i>mpp</i>
Product No.: DART TOOLING AGUSTA	Created By: VM	Approved By: <i>WJ</i>	ECN #: 19- 588
Product Name: T/R FLAPPING LOCKING TOOL	Checked By: <i>helt</i>		

Reason for Change:
CUSTOMER ISSUE / FIT ISSUE

Documents Released:

RBW6705G00632-3G REV A

IF APPLICABLE: NCR: _____ PAR: _____ CAR: _____ CIR: _____ URF: 19-588

PAPERWORK UPDATE ☐ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance / Customer Support Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Airbus	N			
3	Notify Leonardo	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N			
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10		N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	MD		<i>mdf. 19.03.01</i>
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	MD		<i>mdf. 19.03.01</i>
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	MD		<i>mdf. 19.03.01</i>
17	Update / Verify Authorized Release Certificate Database	<i>Y</i>	<i>MD</i>		<i>mdf. 19.03.01</i>
18	Create / Update Change Record Form / Item Card Database	<i>Y</i>	<i>MD</i>		<i>mdf. 19.03.01</i>
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	N			
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

SEE DRAWING REV A FOR SCRAP/RE-WORK COMPONENTS
CLOSE URF 19-588
RELEASE RBW6705G00632-3G REV A DRAWING
PLACE RBW6705G00632-3G REV N/A IN SUPERCEED FOLDER

what parts?
W/A see attached 20.03.03
mdf 19.03.01

ECN Verified & Complete: _____ Date: _____

Linda Lacelle

From: Daniel Paquette
Sent: Friday, March 1, 2019 3:12 PM
To: Linda Lacelle
Subject: FW: ECN 19-588
Attachments: ECN19-588.pdf

I will get back to you on Monday with this. I will have to ask Vanessa as I found an error on the drawing. Thanks.

From: Linda Lacelle <llacelle@dartaero.com>
Sent: Friday, March 01, 2019 2:51 PM
To: Daniel Paquette <dpaquette@dartaero.com>
Subject: FW: ECN 19-588

Do you know what part(s) need to be reworked svp?

From: Michelle GagnonDonovan <mgagnondonovan@dartaero.com>
Sent: Friday, March 1, 2019 2:40 PM
To: Daniel Paquette <dpaquette@dartaero.com>; David Duval <dduval@dartaero.com>; Eric Lalande <elalande@dartaero.com>; Jean Francois Sauve <jfsauve@dartaero.com>; Jean-Luc Menard <jmenard@dartaero.com>; Jennifer Renwick <jrenwick@dartaero.com>; Jesse White <jwhite@dartaero.com>; John Chuprun <jchuprun@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>; Lisa McMachen <lmcmachen@dartaero.com>; Marc Bellavance <mbellavance@dartaero.com>; Marcel Daviau <mdaviau@dartaero.com>; Marie Lajeunesse <mlajeunesse@dartaero.com>; Patrick Duval <pduval@dartaero.com>; Robert Aboud <raboud@dartaero.com>; Ross Black <rblack@dartaero.com>; Sian Willems <swillems@dartaero.com>; Steven Drouin <sdrouin@dartaero.com>; Steven Hemmerich <shemmerich@dartaero.com>; Support Eugene <support.or@dartaero.com>; Support Hawkesbury <support.on@dartaero.com>
Subject: ECN 19-588

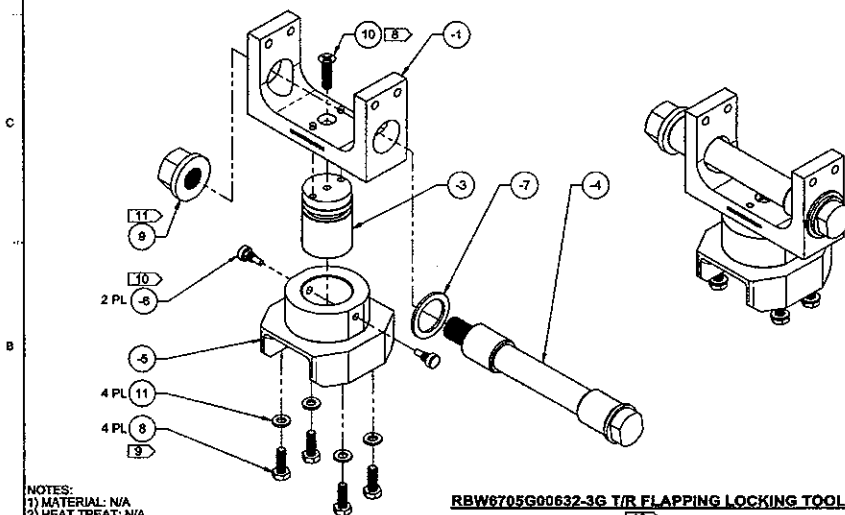
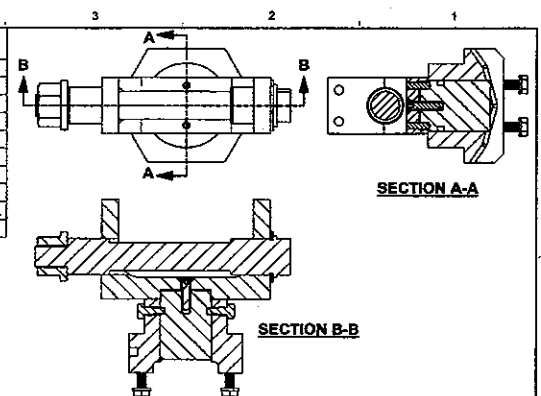
Hello,

Please see attached for ECN 19-588.

Thank you,

Michelle Gagnon-Donovan
Document Control

ITEM #	QTY	PART #	PART TITLE
-1	1	RBW6705G00632-3G-1	YORK ASSY
-3	1	RBW6705G00632-3G-3	BASE
-4	1	RBW6705G00632-3G-4	BOLT
-5	1	RBW6705G00632-3G-5	BASE
-6	2	RBW6705G00632-3G-6	KNOB
-7	1	RBW6705G00632-3G-7	WASHER
8	4	McMaster#92620A563 OR EQUIV	ZINC YELLOW-CHROMATE PLATED HEX HEAD SCREW GRADE 8 STEEL 1/4"-28 x 3/4" LG.
9	1	McMaster#91030A445 OR EQUIV	LOW-STRENGTH STEEL FLANGE NUT BLACK OXIDE 5/8"-16
10	1	McMaster#90273A542 OR EQUIV	STEEL ZINC PLATED PHILLIPS FLAT HEAD SCREW 82° COUNTERSINK ANGLE 1/4"-20 x 1" LG.
11	4	NAS1149F0463P	STEEL WASHER 0.265" ID. X 0.500" OD. X 0.063" THK.



NOTES:

1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A

4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 0.1"$
X.XX = $\pm 0.01"$ / $\pm 0.05"$
X.XXX = $\pm 0.005"$ / $\pm 0.1"$
X.XXXX = $\pm 0.0005"$ / $\pm 0.05"$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) IDENTIFICATION: N/A

7) ASSEMBLE AS SHOWN

8) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 10 THEN ASSEMBLE HAND TIGHT WITH ITEMS -1 & -3 AND REMOVE EXCESS

9) INSTALL ITEM 8 HAND TIGHT

10) INSTALL ITEM -3 WITH ITEM -5 HAND TIGHT ONTO ITEM -3

11) INSTALL ITEM 9 HAND TIGHT WITH ITEM -4

12) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

SEE OLDER PDF FOR MORE INFO.
TEMPLATE UPDATED PER DART HBY STANDARDS.
ITEM -1 CHANGED FOR ITEM -2.
ASSY -1 ADDED, IS YORK ASSY
ITEM -5 CHANGED FOR ITEM -4.
ITEM -7 CHANGED FOR ITEM -6.
ITEM -8 CHANGED FOR ITEM -9.
ITEM -11 CHANGED FOR ITEM -7.
ITEM -19 BICMASTER-CARR #90220M430 CHANGED FOR ITEM 12
NAS1149F0463P
ITEM -17 CHANGED FOR ITEM 8.
ITEM -21 CHANGED FOR ITEM 9.
ITEM -18 CHANGED FOR ITEM 10.
ITEM -13 BICMASTER-CARR #88361A508 CHANGED FOR ITEM 11
McMaster#9030A507
ASSEMBLY NOTES: ADDED ON SHEET 1
ITEM -1 DIMENSION WAS 1.125 IS 1.125 ± 0.001 , DIMENSION WAS 1.37501.374 IS 1.3751.373, ENGRAVING "MADE IN USA" / RBW6705G01451-3G AND SN REMOVED, MATERIAL WAS 6081 CLEAR ANODIZE IS 80817075 RED ANODIZE, DIMENSION WAS 1.174.158 IS 1.175.157
ITEM -3 DIMENSION WAS 1.125 IS 1.125 ± 0.001 , MATERIAL WAS BRASS 360, DIMENSION WAS .510 IS .485 ± 0.002 , DIMENSION WAS 1.2741.2704 IS 1.2711.270, DIMENSION WAS 1.889.1882 IS 1.889.1885, DIMENSION WAS .200 IS .241, 0.02 x 45° CMF -3 PL ADDED, R 0.008 MAX 3 PL ADDED
ITEM -4 ENGRAVING REMOVED, R0.005" MAX 4 PL ADDED, MATERIAL WAS 4140 CAD PLATE IS 4140 (28-32 Rc) BLACK OXIDE, DIMENSION WAS .255 IS .25, DIMENSION WAS 8.870 IS 7.000
ITEM -5 DIMENSION WAS .350 ± 0.003 IS .350 ± 0.002 , DIMENSION WAS 1.4281.420 IS 1.42001.428, .03 x 45° CMF ADDED, MATERIAL WAS 5018 CAD PLATE IS 4140 (28-32 Rc) BLACK OXIDE, ENGRAVING REMOVED
ITEM -6 DIMENSION .01 x 45° CMF ADDED, R0.01 ADDED, MATERIAL WAS BRASS IS BRASS 360
ITEM -7 MATERIAL WAS 1016 BLACK OXIDE IS A36/1016/1020 HR ZINC PLATED TYPE 2

REV.	DESCRIPTION	ECN #	BY
DESIGN	VM		
DRAWN	VM		
CHECKED	VM		
MFG. APPR.	JFS		
APPROVED	W7		
DATE	3/1/2019		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

TOOL PART #
RBW6705G00632-3G

TITLE
T/R FLAPPING LOCKING TOOL

SCALE
SHEET 1 OF 8

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Linda Lacelle

From: Daniel Paquette <dpaquette@dartaero.com>
Sent: Wednesday, April 17, 2019 3:36 PM
To: Linda Lacelle
Cc: Marie Lajeunesse; Jennifer Renwick; David Duval
Subject: FW: ECN 19-588 Ref; RBW6705G00632-3G
Attachments: ECN19-588.pdf

R & B updated to Rev A

From: Daniel Paquette
Sent: Friday, March 08, 2019 1:10 PM
To: Linda Lacelle <llacelle@dartaero.com>
Cc: Michael Lee <mlee1@dartaero.com>
Subject: RE: ECN 19-588 Ref; RBW6705G00632-3G

Linda, just reviewed this with Mike and from what we can see is that if the parts have been made with the attached deviations then the parts are ok and do not need to be reworked. Just ensure that the parts were made per deviations.

Thanks Mike.

From: Linda Lacelle <llacelle@dartaero.com>
Sent: Friday, March 08, 2019 11:44 AM
To: Daniel Paquette <dpaquette@dartaero.com>
Subject: RE: ECN 19-588

Any news on this one Dan?

From: Daniel Paquette <dpaquette@dartaero.com>
Sent: Friday, March 1, 2019 3:12 PM
To: Linda Lacelle <llacelle@dartaero.com>
Subject: FW: ECN 19-588

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Subject: ECN 19-588

Hello,

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Thank you,

Michelle Gagnon-Donovan
Document Control

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T 1 613 632-5300 > 251

www.dartaerospace.com

